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## Fig. 1A

DNA: acgcgggggcggttaacacttggtttttgcttccacttcatggaggtccctg 51  
----1----1----1----1----1----1----1----1----1----1--

DNA: aaaccaataacaaccctatcatcactctctctttcttattatgcatgcttt 102  
---1---1---1---1---1---1---1---1---1---1---1---

DNA: ccctagcttatgcttccgaaacctgtgattttccagcaatctttaacttcg 153  
--1----1----1----1----1----1----1----1----1----1---

DNA: gcgactccaattccgataccggtggcaaggcagctgccttttatcctctta 204  
-1----1----1----1----1----1----1----1----1----1----

DNA: accctccttatggagagactttctttcacaggctcgacaggaagggtactctg 255  
1----1----1----1----1----1----1----1----1----1----

DNA: atggaaggctcataatagattttatcgccgagagtttcaatctcccatatc 306  
----1----1----1----1----1----1----1----1----1----1--

DNA: tgagtccatatcttagttccctgggaagcaacttcaaacatggtgcagatt 357  
---1---1---1---1---1---1---1---1---1---1---1---

DNA: ttgccacagcaggatccaccattaaactaccaactactattatacctgctc 408  
--1----1----1----1----1----1----1----1----1----1---

DNA: atggtggatttagtccattctaccttgatgtccaatattcgcaattccggc 459  
-1----1----1----1----1----1----1----1----1----1----

DNA: aattcataccagatcacagtttatcagggaaactggaggcatatttgctg 510  
1----1----1----1----1----1----1----1----1----1----

DNA: aattggtgcccaggaatattattttgagaaagctttatacacattcgata 561  
----1----1----1----1----1----1----1----1----1----1--

DNA: ttggtcaaaatgatcttacagaaggattcttgaacttaactgtggaagaag 612  
---1---1---1---1---1---1---1---1---1---1---1---

DNA: tgaatgcaactgtccctgatcttgatgaatagcttctcagcaaactgtaaga 663  
--1----1----1----1----1----1----1----1----1----1---

DNA: aaatatacgatttgggagctagaacattttggattcacaacacaggaccaa 714  
-1----1----1----1----1----1----1----1----1----1----

DNA: ttggttgctctttcattcattttaacgtattttccctgggcagaaaaggata 765  
1----1----1----1----1----1----1----1----1----1----

DNA: gtgcaggctgtgcaaaagcttacaatgaagttgctcagcattttaatcaca 816  
----1----1----1----1----1----1----1----1----1----1--

DNA: agttgaaggagatcggttgctcaactcaggaaggatttgcttttagctacat 867

---1---1---1---1---1---1---1---1---1---1---1---1---  
DNA: tcgtccacggttgacatctattctgtcaagtattctttattcagtgagccag 918  
--1---1---1---1---1---1---1---1---1---1---1---1---  
DNA: aaaaacacggtttcgagtttccacttataacatggtgtggctacggaggaa 969  
-1---1---1---1---1---1---1---1---1---1---1---1---  
DNA: agtacaatttttagtggtactgctccatgtggagatacagttacagcagacg 1020  
1---1---1---1---1---1---1---1---1---1---1---1---  
DNA: acggtaccaaaatagttgtgggttcattgtgcttgcccttcagttcgagtaa 1071  
----1---1---1---1---1---1---1---1---1---1---1---1---  
DNA: attgggatggagctcactacactgaagctgccaatgaatatTTTTcgacc 1122  
---1---1---1---1---1---1---1---1---1---1---1---1---  
DNA: agatttctacaggagccttctctgatccccctgttccattgaatatggcat 1173  
--1---1---1---1---1---1---1---1---1---1---1---1---  
DNA: gtcataaaaactgaatcattgaggacattagcctctgtatagggttatatgaa 1224  
-1---1---1---1---1---1---1---1---1---1---1---1---  
DNA: agtgctttgctgaaagcccgctaataaaaatgaggaataataaaatgaga 1275  
1---1---1---1---1---1---1---1---1---1---1---1---  
DNA: aaccattgattatggttaggattcacttggtttctatcataataatctatct 1326  
----1---1---1---1---1---1---1---1---1---1---1---1---  
DNA: gttgtatatacaacagttgtatgaaatagtttcttgtaataaagacttgtc 1377  
---1---1---1---1---1---1---1---1---1---1---1---1---  
DNA: tttctccggtttcccta 1394  
--1---1---1---1---1---

Fig. 1B

AGALTLGFCFHFMEFPETNNNPIITLSFLLCMLSLAYASETCDFPAIFNF  
----1----1----1----1----1----1----1----1----1----1 50

GDSNSDTGGKAAAFYPLNPPYGETFFHRSTGRYSDGRLLIIDFIAESFNLP  
----1----1----1----1----1----1----1----1----1----1 100

YLSPYLSSLGSNFKHGADFATAGSTIKLPTTIIPAHGGFSPFYLDVQYSQ  
----1----1----1----1----1----1----1----1----1----1 150

FRQFIPRSQFIRETGGIFAELVPEEYYFEKALYTFDIGQNDLTEGFLNLT  
----1----1----1----1----1----1----1----1----1----1 200

VEEVNATVPDLVNSFSANVKKIYDLGARTFWIHNTGPICLSFILTYFPW  
----1----1----1----1----1----1----1----1----1----1 250

AEKDSAGCAKAYNEVAQHFNHKLKEIVAQLRKDLPLATFVHVDIYSVKYS  
----1----1----1----1----1----1----1----1----1----1 300

LFSEPEKHGFEFPLITCCGYGGKYNFSVTAPCGDTVTADDGTKIVVGSCA  
----1----1----1----1----1----1----1----1----1----1 350

CPSVRVNWDGAHYTEAANEYFFDQISTGAFSDPPVPLNMACHKTESLRTL  
----1----1----1----1----1----1----1----1----1----1 400

ASV\*VI\*KCFAESPLIK\*GIIINEKPLIMLGFTWFLS\*\*SICCIYNSCMK  
----1----1----1----1----1----1----1----1----1----1 450

\*FLVIKTCLSPVSL  
----1----1---- 464

Fig. 2

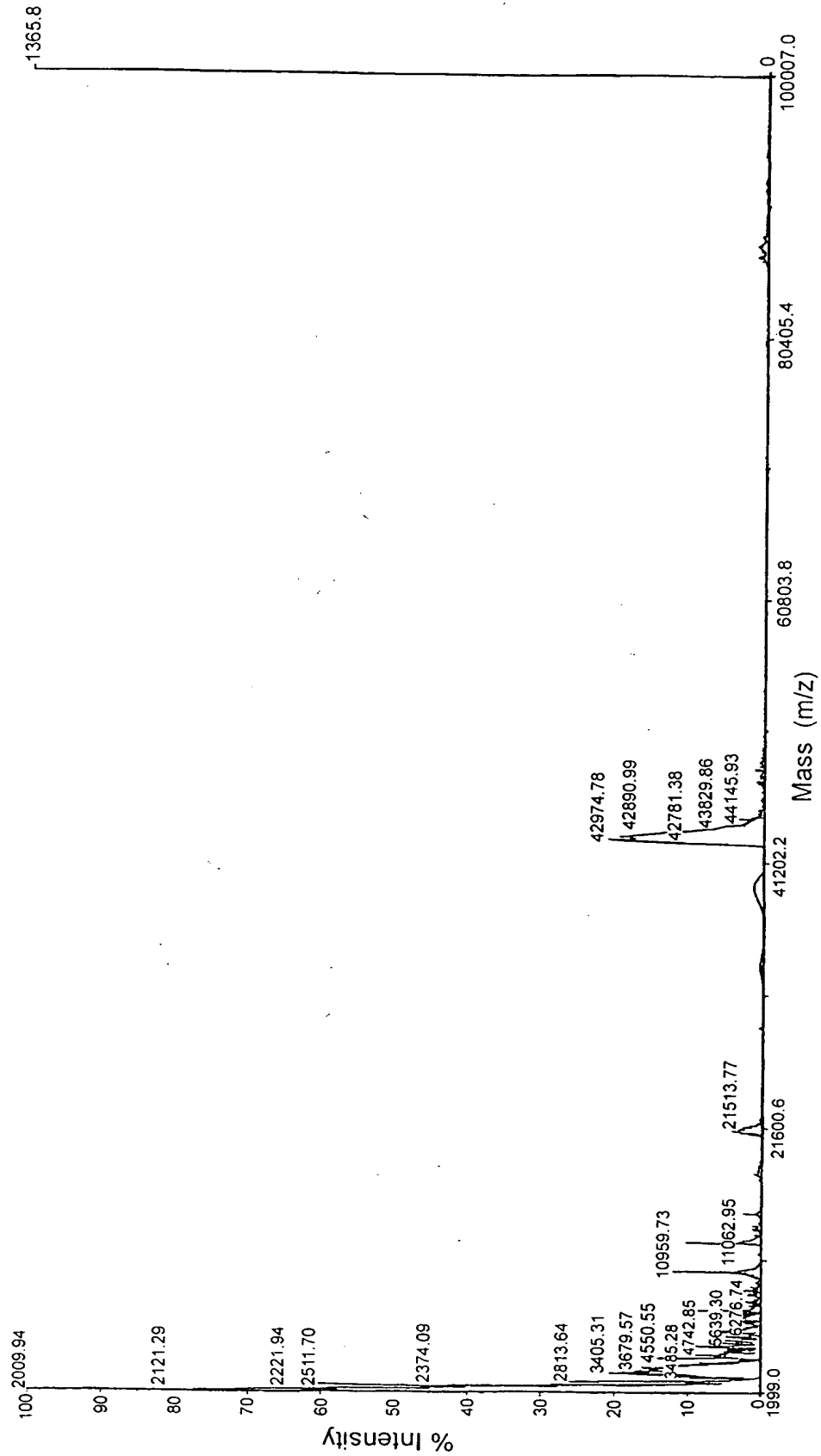


Fig.3

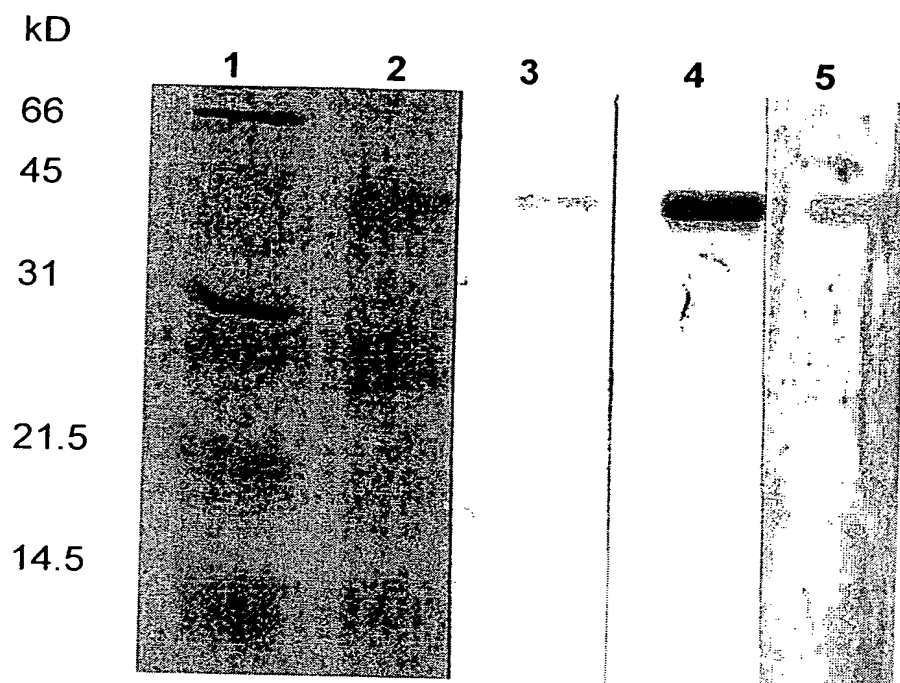


Fig. 4

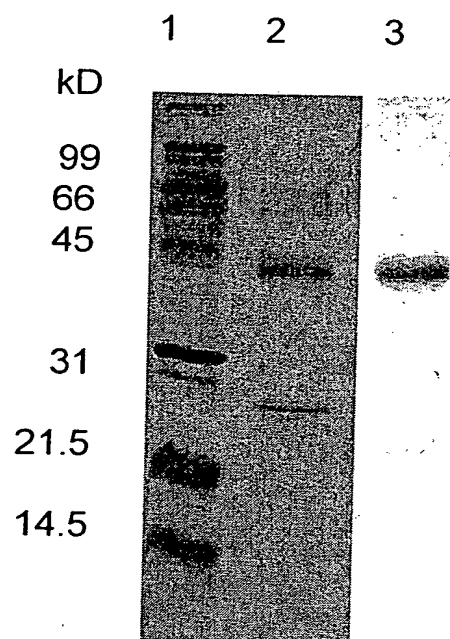


Fig. 5

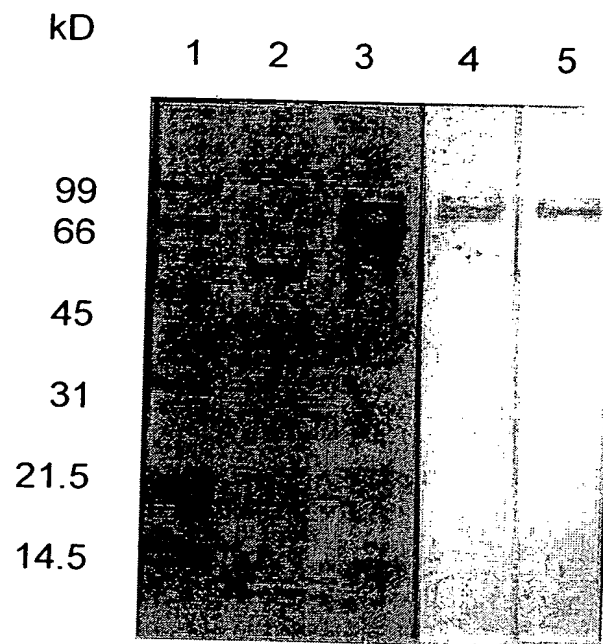


Fig. 6